

What is claimed is:

1. A wire rope and socket combination; comprising
a wire rope socket;
a rope formed of strands of twisted wires extending into the wire rope socket;
one or more but not all of the strands of the twisted wires being bent over 180 degrees within the wire rope socket to provide a selected breaking strength of the wire rope socket; and
babbit securing the rope in the wire rope socket.
2. The wire rope and socket combination of claim 1 in which the wire rope socket has a tapered bore, and the bent strands are bent in the direction of narrowing of the tapered bore.
3. A method of constructing a wire rope socket, the method comprising the steps of:
bending one or more but not all of the strands of a rope formed of strands of twisted wires over 180 degrees to form bent strands;
inserting the rope and bent strands into a wire rope socket; and
pouring molten babbit into the wire rope socket to secure the rope in the wire rope socket.
4. The method of claim 3 in which the wire rope socket has a tapered bore, and the bent strands are bent in the direction of narrowing of the tapered bore.
5. A method of constructing wire rope sockets of variable breaking strength, the method comprising the steps of:
repeating the method steps of claim 3 to build several wire rope sockets having different numbers of bent strands;

testing the breaking strength of the several wire rope sockets to obtain a relationship between number of bent strands and breaking strength of the wire rope socket; and

selecting the number of bent strands in a wire rope socket according to a desired breaking strength of the wire rope socket.